

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A storage platform implemented in a computer system for organizing, searching, and sharing data, comprising:

a database engine;

a data store implemented on the database engine for storing data therein, wherein the data store implements a data model that supports the organization, searching, sharing, synchronization, and security of data stored in the data store and wherein specific types of data are described in schemas, wherein the storage platform provides a mechanism to extend the schemas to define a new type of data, wherein the data store is configured to track changes to the data made by application programs;

an application programming interface that enables application programs to access all of the services and capabilities of the storage platform and to access the data described in the schemas, and is configured to track ~~changes to the data made by the application programs and~~ to register specific application programs for notifications that indicate changes to specific data; and

a set of schemas that define different types of items, elements, and relationships, wherein the application programming interface comprises a class for each of the different type of items, elements, and relationships defined in the set of schemas, wherein the storage platform further supports interoperability with existing file systems, enables users and systems to synchronize data stored in different instances of the data store, wherein data in the data store is defined in terms of items, elements, and relationships, wherein each item is a unit of data storable in the data store and comprises one or more elements, an element is an instance of a type comprising one or more fields, and a relationship is a link between at least two items.

Claims 2 – 3 (Canceled)

4. (Previously presented) The storage platform recited in claim 1, wherein data also be stored in the data store in the form of an extension to an existing item type, and wherein the application programming interface comprises a class for each different item extension.

5. (Previously presented) The storage platform recited in claim 1, wherein the class for each type of item, element, and relationship is generated automatically based on the set of schemas that define each type of item, element, and relationship.

6. (Previously presented) The storage platform recited in claim 1, wherein the classes for each type of item, element, and relationship define a set of data classes, and wherein the application programming interface further comprises a second set of classes that define a common set of behaviors for the data classes.

7. (Original) The storage platform recited in claim 6, wherein the second set of classes comprise a first class that represents a storage platform scope and that provides the context for queries on the data store and a second class the represents the results of a query on the data store.

8. (Previously Presented) The storage platform recited in claim 1, wherein the different types of items, elements, and relationships in the data store are implemented in the database engine as user-defined types (UDT).

9. (Original) The storage platform recited in claim 8, wherein the application programming interface provides a query model that enables application programmers to form queries based on various properties of the items in the data store, in a manner that insulates the application programmer from the details of the query language of the database engine.

10. (Previously presented) The storage platform recited in claim 1, wherein a plurality of items in the data store comprise an Item Folder and at least one other item that is a member of the Item Folder.

11. (Previously presented) The storage platform recited in claim 1, wherein a plurality of items in the data store comprise a Category and at least one other item that is a member of said Category.

12. (Previously presented) The storage platform recited in claim 1, wherein said relationship between two items is established automatically by a hardware/software interface system.

13. (Previously presented) The storage platform recited in claim 1, wherein said element is understandable by a hardware/software interface system.

14. (Previously presented) The storage platform recited in claim 1, wherein said relationship comprises an element.

15. (Previously presented) The storage platform recited in claim 1, wherein said set of schemas comprises a Core Schema that defines a set of Core Items by which the storage platform understands and directly processes said set of Core Items in a predetermined and predictable way.

16. (Original) The storage platform recited in claim 15, wherein each type of item defined in the set of Core Items is derived from a single common base item.

17. (Original) The storage platform recited in claim 16, wherein said single common base item is a foundational item in a base schema.

18. (Original) The storage platform recited in claim 1, wherein said database engine comprises a relational database engine.

19. (Previously presented) The storage platform recited in claim 18, wherein said relational database engine comprises object relational extensions.